

In the Claims

The following Listing of Claims replaces all prior versions in the application:

LISTING OF CLAIMS

1-43. (Canceled)

44. (Currently amended) An apparatus, comprising:

a panel housing;

a touch screen having a contact surface and supported by the housing;

a sensor having a contact surface and a sensor, the contact surface having a contact side and a non-contact side, the sensor being configured to produce generate a first signal based on an interaction with a modification of a characteristic of the contact surface; and

a first piezoelectric actuator in mechanical communication with the housing coupled to the non-contact side of the contact surface, the first piezoelectric actuator being configured to output a haptic force to the contact surface housing in response to a second signal, the second signal being in response to the first signal.

45. (Currently amended) The apparatus of claim 44, ~~the piezoelectric actuator being a first piezoelectric actuator; the apparatus further comprising:~~

a second piezoelectric actuator in mechanical communication with the touch screen and configured output a haptic force to the touch screen in response to a second signal generated by sensor, the second piezoelectric actuator being associated with a portion of the contact surface and being coupled to the non-contact side of the contact surface,
the first piezoelectric actuator being associated with a portion of the contact surface different from the portion of the contact surface associated with the second piezoelectric actuator.

46. (Currently amended) The apparatus of claim 44, ~~further comprising: wherein the touch a~~
~~display screen coupled to the panel, the display screen being is~~ configured to display a graphical
user interface including an icon, the first signal being a function of the a position of the
interaction with the touch screen relative to the icon within the graphical user interface
substantially corresponding to the location of the piezoelectric actuator coupled to the contact
surface.

47. (Currently amended) The apparatus of claim 44, further comprising:
a button having a button function, a display screen coupled to the panel, the display
wherein the display screen being is configured to display a graphical user interface including an
icon associated with the button function, a position of the icon within the graphical user interface
substantially corresponding to the location of the piezoelectric actuator coupled to the contact
surface, the icon being associated with a button function, the piezoelectric actuator being
configured to output the haptic force such that the haptic force provides a physical in
confirmation of a selection of the button function.

48. (Currently amended) The apparatus of claim 44, ~~further comprising:~~
~~— a display screen coupled to the panel, the display wherein the touch screen being is~~
configured to display a graphical object with which environment including an icon, a position of
the icon within the graphical environment substantially corresponding to the location of the
piezoelectric actuator coupled to the contact surface, the icon being associated with an event
within the graphical environment, the piezoelectric actuator being configured to output the haptic
force such that the haptic force is uniquely associated with the event.

49. (Currently amended) The apparatus of claim 44, further comprising:
a housing, the piezoelectric actuator and the panel being disposed within the housing;
a processor in communication with the sensor and the piezoelectric actuator, the processor being
disposed within the housing, the processor configured to provide the a second signal to the
piezoelectric actuator based on the first signal; and
a physical button disposed within the housing and in communication with the processor.

50. (Currently amended) The apparatus of claim 4445, further comprising:
at least a first compliant member configured to movably support the touch screen relative to the; ~~a second compliant member; and~~
~~a housing, the first compliant member and the second compliant member each being disposed between the non-contact side of the contact surface and the housing, the contact surface having one degree of freedom,~~
~~the piezoelectric actuator being directly coupled to the non-contact surface of the panel.~~

51-64. (Canceled)